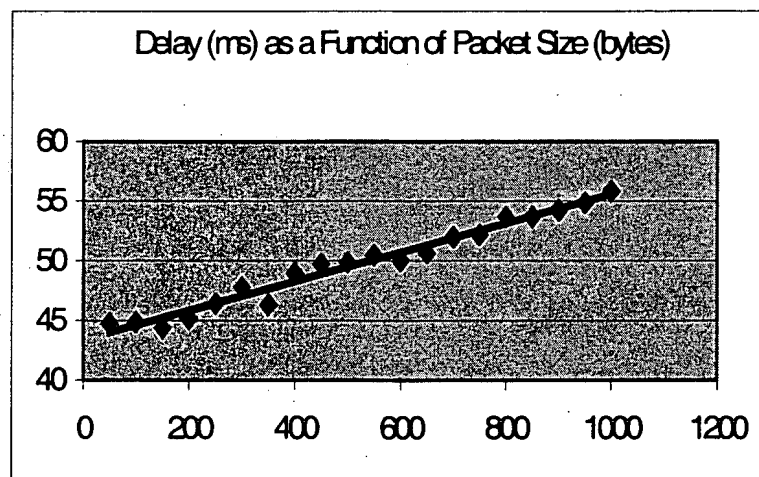


FIG. 1

FIG. 2



300

GENERATE SET OF
RANDOMLY SIZED DATA
PACKET PAIRS

310

SEND EACH PACKET OF EACH
SET TO NODES TO BE TESTED

320

RECEIVE RESPONSE
MESSAGE FROM NODES

330

GENERATE DELAY TIMES FOR
SET OF DATA PACKET PAIRS

340

ESTIMATE TOTAL
BANDWIDTH BETWEEN
NODES BASED ON DELAY
TIMES

FIG. 3

300

GENERATE SET OF
RANDOMLY SIZED DATA
PACKET PAIRS

310

SEND EACH PACKET OF EACH
SET TO NODES TO BE TESTED

320

RECEIVE RESPONSE
MESSAGE FROM NODES

330

GENERATE DELAY TIMES FOR
SET OF DATA PACKET PAIRS

380

ESTIMATE α USING
BAYESIAN ANALYSIS

390

ESTIMATE AVAILABLE
BANDWIDTH BASED ON
ESTIMATED α AND γ

350

GENERATE
TRAFFIC
AT
REMOTE
LOCATION

360

INJECT
GENERATED
TRAFFIC

370

ESTIMATE
CONSTANT γ

FIG. 4

